

AMENDMENT TO THE CLAIMS

Claim 1 (Currently Amended) A UI display apparatus that displays, on a screen, an icon representing a device connected to a network, said UI display apparatus comprising:

a recording unit in which display judgment information is recorded, the display judgment information indicating whether or not information should be displayed on the screen;

a communication unit operable to communicate with another~~an other~~ device connected to the network;

an obtainment unit operable to obtain, ~~through~~ via said communication unit, device-related information~~relating~~ related to the device~~on~~ connected to the network;

a judgment unit operable to compare the device-related information obtained by said obtainment unit with the display judgment information recorded in said recording unit, and operable to judge whether or not the device-related information is identified indicated in the display judgment information;

a display unit operable to display the device-related information obtained ~~through~~ via said communication unit, ~~when in the case where~~ said judgment unit judges that the device-related information is identified indicated in the display judgment information; and

a communication status recording unit operable to record a communication status for each communication protocol of a plurality of communication protocols, ~~when in the case where~~ said communication unit carries out a communication using at least one~~or a combination of~~ communication protocol of the plurality of communication protocols,

wherein the display judgment information recorded in said recording unit includes, in a hierarchical format, (i) a plurality of pieces of device type information, each piece of the plurality of pieces of device type information identifying a type of a device connected to the

network, and (ii) a plurality of pieces of device information, each piece of the plurality of pieces of device information identifying information about the device for which the type is identified by a corresponding piece of the device type information of the plurality of pieces of device type information,

wherein the device-related information obtained by said obtainment unit is in a hierarchical format,

wherein said judgment unit repeats the judgment by comparing the display judgment information having the hierarchical format and the device-related information having the hierarchical format, starting from a higher layer of the hierarchical format of the display judgment information and continuing to a lower layer of the hierarchical format of the display judgment information, and

wherein said display unit changes an icon displayed thereon corresponding to the device-related information, the icon being displayed in association with a layer of the device-related information in the hierarchical format judged, by said judgment unit, as being identified in the display judgment information.

Claim 2 (Cancelled)

Claim 3 (Cancelled)

Claim 4 (Currently Amended) The UI display apparatus according to Claim 1, further comprising an authentication unit operable to authenticate whether or not the device-related information obtained by said obtainment unit has been sent from an authorized device, the

authentication unit performing the authentication using an identifier to identify the device, such that, when the device-related information is authenticated as being sent from the authorized device, the device-related information is determined to be valid,

wherein said display unit displays is operable to display the device-related information when in the case where said authentication unit has authenticated that the device-related information is determined to be valid.

Claim 5 (Currently Amended) The UI display apparatus according to Claim 1,
wherein said obtainment unit obtains is operable to obtain the device-related information via through said communication unit, using at least one or a combination of the plurality of communication protocols, and
wherein said display unit performs is operable to perform the display of the device-related information in accordance with the communication status, for the at least one or the combination of the plurality of communication protocols, recorded in said communication status recording unit and the device-related information obtained by said obtainment unit.

Claim 6 (Currently Amended) The UI display apparatus according to Claim 5,
wherein the display of the device-related information is a display of one of an icon display and a text display, and
wherein said display unit displays is operable to perform one of the icon display and the text display that which corresponds to the device-related information, when in the case where said judgment unit judges that the device-related information is identified in the display judgment information display should be performed.

Claim 7 (Currently Amended) The UI display apparatus according to Claim 5,
wherein the display of the device-related information is a display of one of an icon
display and a text display, and
wherein said display unit displays is operable to perform one of the icon display and the
text display differently for each communication status recorded for each communication protocol
of the plurality of communication protocols, when in the case where said judgment unit judges
that the device-related information is identified in the display judgment information display
should be performed.

Claim 8 (Currently Amended) The UI display apparatus according to Claim 1, further
comprising an input update unit through which a user selects the display judgment information
recorded in said recording unit and inputs and updates the selected display judgment information.

Claim 9 (Currently Amended) A UI display method for use with a UI display apparatus
that displays, on a screen, an icon representing a device connected to a network, said UI display
method comprising:

a recording step of recording display judgment information indicating whether or not
information should be displayed on the screen;

a communication step of communicating with another~~an other~~ device connected to the
network;

an obtainment step of obtaining, via~~through~~ said communication step, device-related
information related~~relating~~ to the device connected to~~on~~ the network;

a judgment step of comparing the device-related information obtained in said obtainment

step with the display judgment information recorded in said recording step, and judging whether or not the device-related information is identified-indicated in the display judgment information;

a display step of displaying the device-related information obtained via-through said communication step, when in the case where it is judged in said judgment step judges that the device-related information is identified-indicated in the display judgment information; and

a communication status recording step of recording a communication status for each communication protocol of a plurality of communication protocols, when in the case where communication is carried out in said communication step carries out a communication[[,]] using at least one or a combination of communication protocol of the plurality of communication protocols,

wherein the display judgment information recorded in said recording step includes, in a hierarchical format, (i) a plurality of pieces of device type information, each piece of the plurality of pieces of device type information identifying a type of a device connected to the network, and (ii) a plurality of pieces of device information, each piece of the plurality of pieces of device information identifying information about the device for which the type is identified by a corresponding piece of the device type information of the plurality of pieces of device type information,

wherein the device-related information obtained by said obtainment step is in a hierarchical format,

wherein said judgment step repeats the judgment by comparing the display judgment information having the hierarchical format and the device-related information having the hierarchical format, starting from a higher layer of the hierarchical format of the display judgment information and continuing to a lower layer of the hierarchical format of the display

judgment information, and

wherein said display step changes an icon displayed thereon corresponding to the device-related information, the icon being displayed in association with a layer of the device-related information in the hierarchical format judged, by said judgment step, as being identified in the display judgment information.

Claim 10 (Cancelled)

Claim 11 (Cancelled)

Claim 12 (Currently Amended) The UI display method according to Claim 9, further comprising an authentication step of authenticating whether or not the device-related information obtained in said obtainment step has been sent from an authorized device, said authentication step performing the authentication using an identifier to identify the device, such that, when the device-related information is authenticated as being sent from the authorized device, the device-related information is determined to be valid,

wherein, in said display step, the device-related information is displayed when in the case where it has been authenticated in said authentication step that the device-related information is determined to be valid.

Claim 13 (Currently Amended) The UI display method according to Claim 9,

wherein, in said obtainment step, the device-related information is obtained via through said communication step, using at least one or a combination of the plurality of communication

protocols, and

wherein, in said display step, the display of the device-related information is performed in accordance with the communication status, for the at least one or the combination of the plurality of communication protocols, recorded in said communication status recording step and the device-related information obtained in said obtainment step.

Claim 14 (Currently Amended) The UI display method according to Claim 13,

wherein the display of the device-related information is a display of one of an icon display and a text display, and

wherein, in said display step, one of the icon display and the text display that which corresponds to the device-related information is performed, when in the case where it is judged in said judgment step judges that the device-related information is identified in the display judgment information display should be performed.

Claim 15 (Currently Amended) The UI display method according to Claim 13,

wherein the display of the device-related information is a display of one of an icon display and a text display, and

wherein, in said display step, one of the icon display and the text display is performed differently for each communication status recorded for each communication protocol of the plurality of communication protocols, when in the case where it is judged in said judgment step judges that the device-related information is identified in the display judgment information display should be performed.

Claim 16 (Currently Amended) The UI display method according to Claim 9, further comprising an input update step through which a user selects the display judgment information recorded in said recording step and inputs and updates the selected display judgment information.

Claim 17 (Cancelled)

Claim 18 (Currently Amended) A non-transitory computer-readable recording storage medium storing a program-and/or data thereon, the program causing-used to cause a computer to execute the method of claim 9-one or more, or all functions of one or more, or all units included in the UI display apparatus according to claim1, said storage medium being processable by the computer.